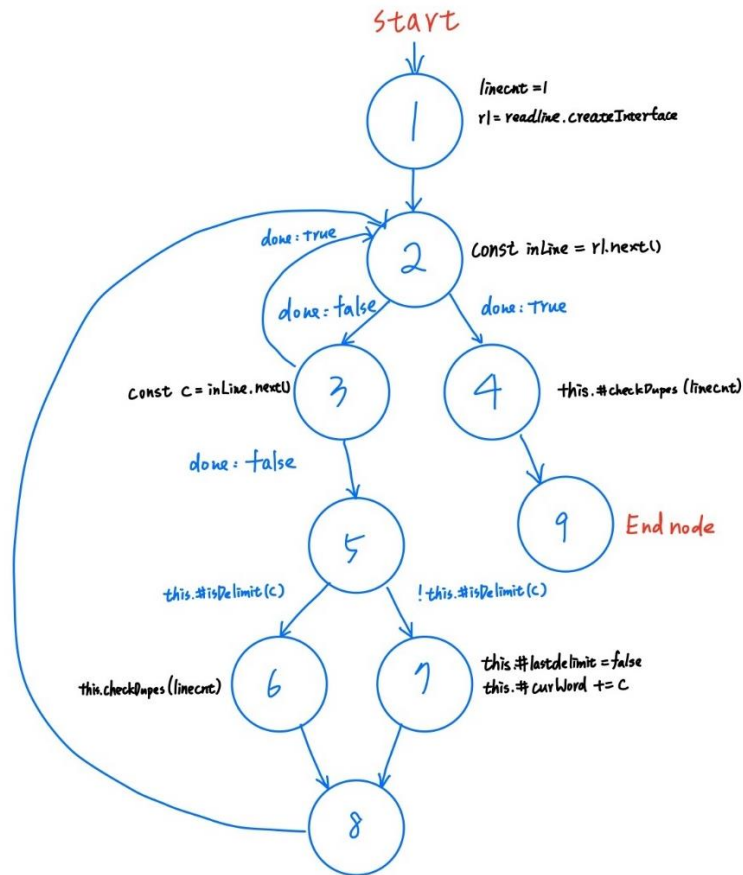


Software Testing Homework3

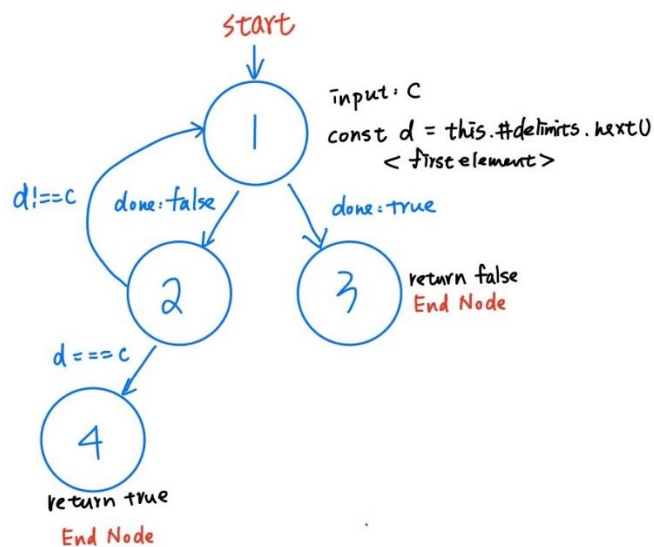
312551098 林佑庭

(a). Draw control flow graphs for all the functions defined in "Stutter.js".

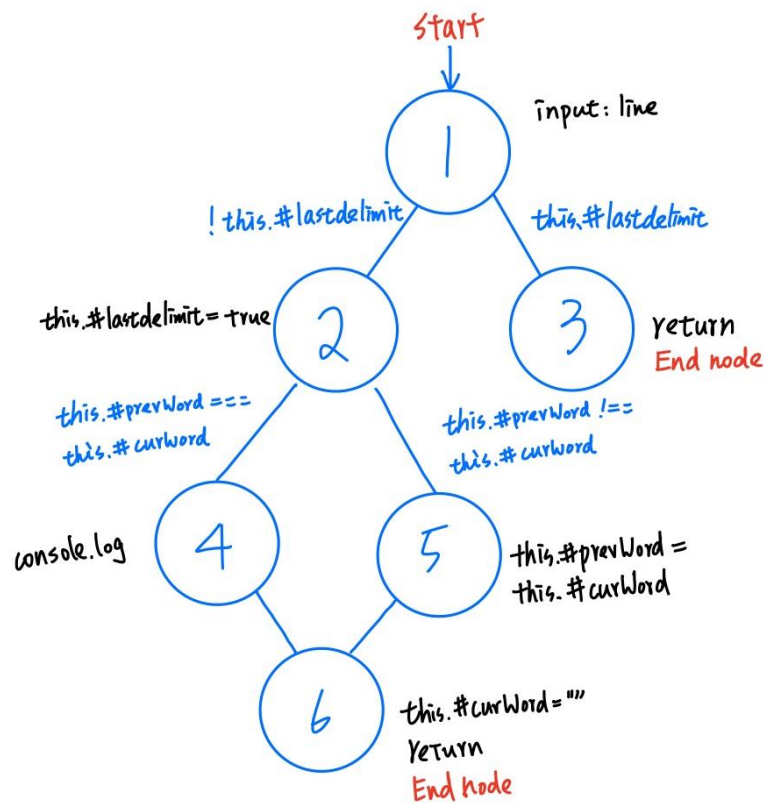
1. stut(inFile)



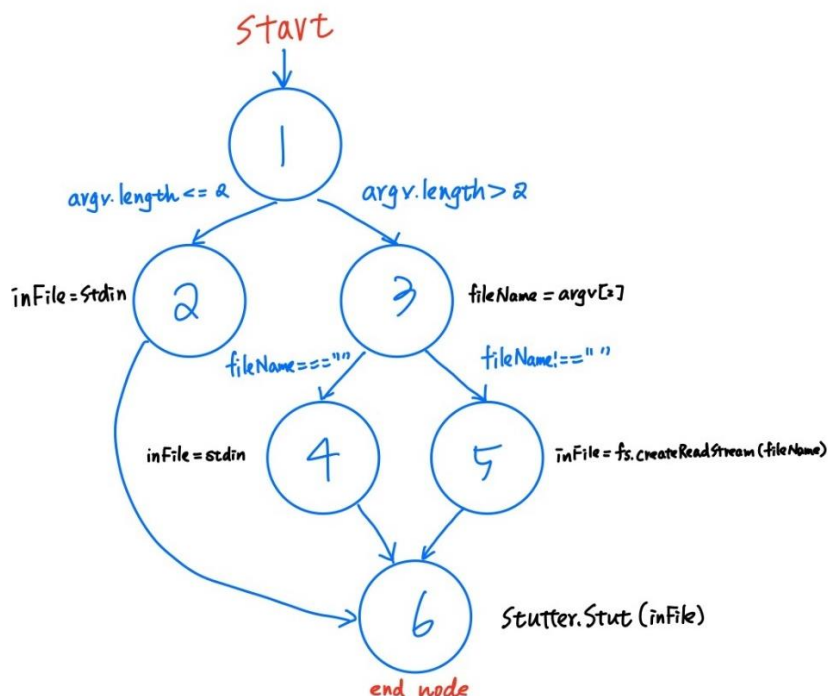
2. #isDelimit(C)



3. #checkDupe(line)



4. main()



P.S. 在 `for each` 迴圈中，我參考了 MDN 文件的說明：重複調用得到的 `iterator` 的 `next()` 方法來得到序列中的下一個物件。若是 `iterator` 回傳包含一個 `done: true` 的物件，即表示 `iterator` 完成並退出。

(b). List all the call sites of the functions defined in "Stutter.js".

Caller	Callee	Callsite
main	stut	line 112
stut	#isDelimit	line 44
stut	#checkDupes	line 46
stut	#checkDupes	line 53

(c). List all coupling du-pairs for each call site in (b).

ID	Last define			First-use		
	function	var	line	function	var	line
1	main	inFile	98	stut	inFile	37
2	main	inFile	104	stut	inFile	37
3	main	inFile	109	stut	inFile	37
4	stut	linecnt	35	#checkDupes	line	70
5	stut	linecnt	54	#checkDupes	line	70
6	stut	c	42	#isDelimit	C	84

(d). Create test data to satisfy All-Coupling Uses Coverage for "Stutter.js".
Informally, to cover all coupling du-pairs in (c).

ID	argv.length	argv[2]	inFile	parsers
1	2	-	test123	stdin
2	3	""	test123	stdin
3	3	text.txt	test123	fs.createReadStream
4	3	text.txt	test123	fs.createReadStream
5	3	text.txt	test 123	fs.createReadStream
6	3	text.txt	"test!123"	fs.createReadStream